

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A portable computer, comprising:

a portable computer unit having a configuration that including a display module whose rotational state allows a system mode to be switched between a notebook computer mode and a tablet computer mode;

a rotation detection switch to provide a rotation detection signal having either a first state or a second state; and

a controller, responsive to a system power supply of the portable computer being turned on, to recognize a notebook computer mode when the rotation detection signal is in a first state and to recognize a tablet computer mode when the rotation detection signal is in a second state, wherein the controller operates an application program for the tablet computer mode or the notebook computer mode according to the recognition, and wherein the controller provides inactivation of a keyboard when the controller recognizes the tablet computer mode, wherein the controller selects and boots an operating system (OS) for a tablet computer when a detected rotation state of the display module corresponds to the tablet computer mode, and the controller selects and boots an OS for a notebook computer when a detected rotation state of the display module corresponds to the notebook computer mode.

2. (Previously Presented) The portable computer of claim 1, wherein the controller selectively enables a different corresponding operating system for the tablet computer mode than the notebook computer mode.

3. (Canceled)

4. (Currently Amended) The portable computer of claim [[3]]1, further comprising a detector coupled to the controller and configured to detect the rotation state of the display module, wherein the detector comprises:

the rotation detection switch based upon a mechanical contact; and  
a first controller configured to detect an ON/OFF state of the rotation detection switch.

5. (Original) The portable computer of claim 4, wherein the first controller is one of a keyboard controller, a south bridge and an input/output (I/O) controller.

6. (Original) The portable computer of claim 1, wherein the controller is a basic input/output system (BIOS).

7-8. (Canceled)

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9. (Original) The portable computer of claim 1, wherein the controller determines a physical configuration of the portable computer unit.

10. (Currently Amended) An apparatus for booting a system in a portable computer including a display module whose rotation state allows a system mode to be switched [[to]]between a notebook computer mode or a tablet computer mode, comprising:

    detection means for detecting the rotation state of the display module when a system power supply provided in the portable computer is turned on, the detection means including a rotation detection switch to provide a rotation detection signal having either a first state or a second state; and

    control means for selectively booting an operating system (OS) for a tablet computer when the control means recognizes a tablet computer mode by the rotation detection signal being in the first state and for selectively booting an OS for a notebook computer when the control means recognizes a notebook computer mode by the rotation detection signal being in the second state, wherein the control means further deactivates a keyboard of the portable computer when the rotation detection signal is detected to be in the first state and then activates the keyboard when the rotation detection signal is detected to be in the second state.

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11. (Previously Presented) The apparatus of claim 10, wherein the detection means comprises:

the rotation detection switch based upon a mechanical contact; and  
a controller for detecting a status of the rotation detection switch.

12. (Original) The apparatus of claim 11, wherein the controller is one of a keyboard controller, a south bridge and an input/output (I/O) controller.

13. (Original) The apparatus of claim 10, wherein the control means is a basic input/output system (BIOS).

14-15. (Canceled)

16. (Currently Amended) A method for booting a system in a portable computer, comprising:

detecting a state of a rotation detection signal when a system power supply provided in the portable computer is turned on; **and**  
selectively booting an initialization application program for a tablet computer when the portable computer is recognized to be in a tablet computer mode based on the rotation detection signal being detected to be in a first state; **and**

selectively booting an initialization application program for a notebook computer when the portable computer is recognized to be in a notebook computer mode based on the rotation detection signal being detected to be in a second state;

providing a keyboard in an inactivation state when the rotation detection signal is detected to be in the first state; and

changing the keyboard from the inactivation state to an activation state when the rotation detection signal is detected to be in the second state.

17. (Original) The method of claim 16, wherein the detecting comprises detecting a rotation state of a display module.

18. (Original) The method of claim 16, wherein the rotation state of the display module is detected by a magnetic sensor or a rotation detection switch based upon a mechanical contact.

19-20. (Canceled)

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21. (Currently Amended) An article including a machine-readable storage medium containing instructions for booting a system in a portable computer including a display module whose rotation state allows a system mode to be switched to a notebook computer mode or to a tablet computer mode, the instructions, when executed, causing the portable computer to:

detect the rotation state of the display module when a system power supply provided in the portable computer is enabled; and

selectively boot an operating system (OS) for a tablet computer when the portable computer is determined to be in a specific mode based on the rotation detection signal being detected to be in a first state; and

selectively boot an initialization program for a notebook computer when the portable computer is determined to be in a specific mode based on the rotation detection signal being detected to be in a second state;

the portable computer to provide a keyboard in an inactivation state when the rotation detection signal is detected to be in the first state; and

the portable computer to change the keyboard from the inactivation state to an activation state when the rotation detection signal is detected to be in the second state.

22-61. (Canceled)